

s 2020 0112

The invention relates to a technology for producing bismuth-based thermoelectric materials, which can be used for producing thermoelectric energy in extreme conditions.

The bismuth-based thermoelectric material, according to the invention, contains tin-doped bismuth with a concentration of 0.02% atm. Sn and is made by the Ulitkovsky method in the form of a filament in glass insulation with a diameter of 85 nm.

The result of the invention consists in increasing the value of the thermoelectric power factor.

Claims: 1